



CALL FOR PAPERS



Special Session on

“Fog Computing – Emerging Research Challenges and Strategies for Industrial Applications”

ICIT 2019-The 20th IEEE International Conference on Industrial Technology
Feb. 13-15, 2019, Melbourne, Australia.

Overview

Fog computing is a developing research area in the recent years that leverages the Cloud computing services to satisfy customer's requirements especially reducing the latency. Most of the Internet of Things (IoT) applications that runs in Cloud environment were using the sensors and actuators and interacting with the cloud through wired or wireless networks. Since billions of IoT devices connected in the cloud are producing large volumes of data and these data are to be disseminated to various stakeholders using data mining and analytics. The central framework between the cloud computing and user applications is the Fog Computing, which will tackle the challenges like latency, limited processing and storage capabilities, energy, network bandwidth, costs, and security & privacy concerns and optimizes the efficient use of all resources in the cloud. Many researches and industries across the globe are working on this area and a paradigm shift is taking place from large centralized Cloud Computing infrastructures to micro data centres that are located at the edge of the network. As a result of this, many new problems arise in enabling Fog computing and services, creating a fertile ground for research and innovation. The objective of this special session is to encourage the researchers and industry personal to demonstrate and present their original research work and case studies in various aspects of Fog computing and its applications.

Topics of interest include, but are not limited to:

- Fog computing architectures and solution design patterns
- Fog computing for Industrial IoT
- IoT Communication and networking protocols for Fog environment
- Quality of experience and quality of service for Fog computing
- Energy management of Fog infrastructure
- Mobility and Connectivity for Fog Computing
- Resource management in Fog computing
- Programming models and toolkits for supporting Fog Computing
- Smart sensors and in-network processing in Fog Computing
- Security and privacy aspects of Fog computing
- Cooperation solutions for Fog integration
- Fog machine learning and data analytics
- Fog Computing and Internet of Vehicles
- Current and Future Standardization for Fog Computing
- Case studies of Fog-based real-time analytics in various domains (Industrial IoT, Healthcare, Smart Cities, and Social Networks)

Papers Submission: Prospective authors are invited to submit full papers (double column, six pages maximum) in English using the online paper submission system located at conference website.

Last date for submission of full length paper: **1st August 2018**

Notification of Acceptance : **1st November 2018**

Last date submission of final manuscript : **1st December 2018**

All the Accepted and presented papers will be published in an IEEE proceedings volume and also will be submitted for the International Publication in IEEEExplore.

Special Session Organizers:

Professor Ramamohanarao Kotagiri, University of Melbourne, Australia.

Professor Jothi K R, Vellore Institute of Technology (VIT), Vellore, India.

Professor Anto S, Vellore Institute of Technology (VIT), Vellore, India.

Professor Mohamed Iqbal M, CMR Institute of Technology (CMRIT), Bangalore, India.

For additional information, please visit the Conference Website : <http://www.ieee-icit2019.org/>